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MC - A03-B A04-B03 A07-A02A A08-R06A A10-E06 A11-A03 A12-T01

PA - (YOKO) YOKOHAMA RUBBER CO LTD

PN - JP3363539B2 B2 20030108 DW200306 C08L7/00 005pp

- JP7090123 A 19950404 DW199522 C08L7/00 005pp

PR - JP19930233755 19930920

XA - C1995-077562

XIC - C08K-003/36 ; C08L-007/00 ; C08L-009/00 ; C08L-009/06 ; C08L-063/08

AB - J07090123 Tyre tread rubber compsn. (I) comprises 100 pts. wt. rubber

compsn. contg. (A) 20-50 pts. wt. of natural rubber (NR); (B) 20-40

pts. wt. of a styrene butadiene copolymer which has a vinyl content in the butadiene part of 35-80 wt.% and a styrene content of 10-40 wt.%, and (C) 20-40 pts. wt. of an epoxidised natural rubber having an epoxidation degree of 10-60 wt.% blended with 30-70 pts. wt. of silica.

- Component (B) is. e.g. a modified SBR(B-1) which has a vinyl content of 37.3% and a styrene content of 23.3% and is modified with N-methyl-pyrrolidone. Component (C) is e.g. ENR(RTM: epoxidation degree of 25 wt.%(C-1). The silica is e.g. Nippsil VN3(RTM).

- USE/ADVANTAGE - (I) is used for automobile tyre treads. (I) has high resistance to wear, rolling, and wet skid.

- In an example, rubber compsn. comprising 25 pts. wt. of NR, 35 pts. wt. of B-1, 40 pts. wt. of C-1, 25 pts. wt. of Nippsil VN3, 25 pts. wt. of carbon black and 3 pts. wt. of a silane coupling agent was press-vulcanized to give a test piece. The test piece had an 100 % modulus of 41, a tensile strength of 284 kg/sq.cm, a tan delta of 0.142 at 60 deg.C, a wet skid of 93.7 at room temp. and a Lanbone (sic) wear factor of 105 at 25 %. (Dwg.0/0)

IW - RUBBER COMPOSITION PNEUMATIC TYRE TREAD HIGH WEAR RESISTANCE COMPRISE RUBBER COMPOSITION CONTAIN NATURAL RUBBER STYRENE BUTADIENE COPOLYMER EPOXIDATION NATURAL RUBBER BLEND SILICA

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NC - 001

OPD - 1993-09-20

ORD - 1995-04-04

PAW - (YOKO) YOKOHAMA RUBBER CO LTD

TI - Rubber compsn. for pneumatic tyre treads with high wear resistance - comprises rubber compsn. contg. natural rubber, styrene butadiene copolymer, and epoxidised natural rubber, blended with silica

A01 - [001] 017 ; R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58 D88 ; R00806 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D84 ; H0022 H0011 ; H0124-R ; M9999 M2073 ; L9999 L2391 ; L9999 L2073 ; M9999 M2835 ; P0328 ; P1741 ; P0351 ; P0362 ; - [002] 017 ; ND01 ; Q9999 Q9256-R Q9212 ; Q9999 Q9234 Q9212 ; K9745-R ; K9892 ; K9449 ; B9999 B5287 B5276 ; B9999 B5367 B5276 ;

B9999 B3963-R B3930 B3838 B3747 ; K9905 ; B9999 B4171 B4091 B3838
B3747 ; B9999 B4080 B3930 B3838 B3747 ;
- [003] 017 ; B9999 B5049 B5038 B4977 B4740 ;
- [004] 017 ; R05268 D01 D11 D10 D23 D22 D31 D41 D50 D85 F71 ; H0226 ;
- [005] 017 ; R05085 D00 D09 C- 4A ; R01694 D00 F20 O- 6A Si 4A ;
A999 A237 ; A999 A419 ; A999 A771 ;
- [006] 017 ; R05268 D01 D11 D10 D23 D22 D31 D41 D50 D85 F71 ;
- [007] 017 ; D01 Si 4A ; A999 A033 ;
A02 - [001] 017 ; R24073 D01 D02 D03 D12 D10 D51 D53 D59 D85 P0599 H0124
B5061 ; H0124-R ; M9999 M2073 ; L9999 L2391 ; L9999 L2073 ; M9999
M2175 ;
- [002] 017 ; ND01 ; Q9999 Q9256-R Q9212 ; Q9999 Q9234 Q9212 ;
K9745-R ; K9892 ; K9449 ; B9999 B5287 B5276 ; B9999 B5367 B5276 ;
B9999 B3963-R B3930 B3838 B3747 ; K9905 ; B9999 B4171 B4091 B3838
B3747 ; B9999 B4080 B3930 B3838 B3747 ;
- [003] 017 ; R05085 D00 D09 C- 4A ; R01694 D00 F20 O- 6A Si 4A ;
A999 A237 ; A999 A419 ; A999 A771 ;
- [004] 017 ; D01 Si 4A ; A999 A033 ;